```
Trying 01081...Open

PLEASE ENTER HOST PORT ID:
PLEASE ENTER HOST PORT ID:x
SYSTEM IS DOWN

Connection closed by remote host

Trying 9351006...Open

Welcome to STN International!  Enter x:x
LOGINID:ssspta1800exs
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1  Feb  2  Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Jul  8  Important Derwent Announcement about CPI Changes to
                  CPI Subscriber Indexing in 1999 - REVISED
 NEWS  3  Aug  2  New INPADOC File Now Available on STN
 NEWS  4  Aug  9  Expanded CAplus Coverage of US, Japanese and WIPO
                  Patents
 NEWS  5  Aug 23  Left Truncation Added to Several STN Files
 NEWS  6  Aug 30  The International Patent Classification in English
                  and German available on STN
 NEWS  7  Aug 30  IFIRXA File has changed to IFICLS
 NEWS  8  Aug 30  IMSworld Pharmaceutical Company Profiles
                  (IMSPROFILES) from IMS HEALTH now on STN
 NEWS  9  Sep  1  IFIPAT Pricing Changes
 NEWS 10  Sep  7  ESBIOBASE - Elsevier Biobase now on STN

 NEWS EXPRESS  STN Express 5.0 Now Available
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 19:42:10 ON 19 SEP 1999

=> file caplus

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY     SESSION
```

FULL ESTIMATED COST 0.15 0.15

FILE 'CAPLUS' ENTERED AT 19:42:20 ON 19 SEP 1999
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1967 - 19 Sep 1999 VOL 131 ISS 13
FILE LAST UPDATED: 18 Sep 1999 (19990918/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s (plantarin or sakacin)(15a)promoter

```
             1 PLANTARIN
            30 SAKACIN
         91905 PROMOTER
         32528 PROMOTERS
        104232 PROMOTER
                 (PROMOTER OR PROMOTERS)
L1           4 (PLANTARIN OR SAKACIN)(15A)PROMOTER
```

=> d 1-4

L1 ANSWER 1 OF 4 CAPLUS COPYRIGHT 1999 ACS
AN 1998:708288 CAPLUS
DN 130:91033
TI A system for heterologous expression of bacteriocins in Lactobacillus sake
AU Axelsson, Lars; Katla, Tone; Bjornslett, Merete; Eijsink, Vincent G. H.; Holck, Askild
CS MATFORSK, Norwegian Food Research Institute, Aas, N-1430, Norway
SO FEMS Microbiol. Lett. (1998), 168(1), 137-143
CODEN: FMLED7; ISSN: 0378-1097
PB Elsevier Science B.V.
DT Journal
LA English

L1 ANSWER 2 OF 4 CAPLUS COPYRIGHT 1999 ACS
AN 1997:738099 CAPLUS
DN 128:45646
TI Pheromone-induced production of antimicrobial peptides in Lactobacillus
AU Brurberg, May B.; Nes, Ingolf F.; Eijsink, Vincent G. H.
CS Biotechnological Sciences, Laboratory of Microbial Gene Technology, Agricultural University of Norway, Aas, 1432, Norway
SO Mol. Microbiol. (1997), 26(2), 347-360
CODEN: MOMIEE; ISSN: 0950-382X
PB Blackwell Science Ltd.
DT Journal
LA English

L1 ANSWER 3 OF 4 CAPLUS COPYRIGHT 1999 ACS

AN 1997:403340 CAPLUS
DN 127:14135
TI A strongly regulatable promoter from the bacteriocin cluster of lactic acid bacteria and its use in expression systems
IN Eijsink, Vincent G. H.; Nes, Ingolf F.; Brurberg, May B.
PA Eijsink, Vincent G. H., Norway; Nes, Ingolf F.; Brurberg, May B.
SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9718316	A1	19970522	WO 1996-NO266	19961113
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9677121	A1	19970605	AU 1996-77121	19961113
	EP 861327	A1	19980902	EP 1996-940172	19961113
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	NO 1995-4575		19951113		
	WO 1996-NO266		19961113		

L1 ANSWER 4 OF 4 CAPLUS COPYRIGHT 1999 ACS
AN 1994:429422 CAPLUS
DN 121:29422
TI Cloning and sequencing of sakP encoding sakacin P, the bacteriocin produced by Lactobacillus sake LTH 673
AU Tichaczek, Petra S.; Vogel, Rudi F.; Hammes, Walter P.
CS Inst. Lebensmitteltechnol., Univ. Hohenheim, Stuttgart, 70599, Germany
SO Microbiology (Reading, U. K.) (1994), 140(2), 361-7
CODEN: MROBEO; ISSN: 1350-0872
DT Journal
LA English

=> d ab

L1 ANSWER 1 OF 4 CAPLUS COPYRIGHT 1999 ACS
AB A system for efficient heterologous expression of class II bacteriocins is described that is based on introducing two plasmids in a bacteriocin-neg. Lactobacillus sake strain. The first plasmid (pSAK20) contains the genes necessary for transcriptional activation of the **Sakacin** A **promoter** as well as export and processing of bacteriocin precursors. The second plasmid (a pLPV111 deriv.) contains the structural and immunity genes for the bacteriocin of interest fused to the **sakacin** A **promoter**. Using this system, various bacteriocins were produced at levels equal to or higher than those obtained with the corresponding wild-type producer strains.

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.84	9.99

DISCOUNT AMOUNTS (FOR [redacted]ALIFYING ACCOUNTS)	SINCE [redacted]LE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.54	-0.54

SESSION WILL BE HELD FOR 60 MINUTES .
STN INTERNATIONAL SESSION SUSPENDED AT 19:44:59 ON 19 SEP 1999

```
Trying 9351006...Open

Welcome to STN International!  Enter x:x
LOGINID:ssspta1800exs
PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 19:50:31 ON 19 SEP 1999
FILE 'CAPLUS' ENTERED AT 19:50:31 ON 19 SEP 1999
COPYRIGHT (C) 1999 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    9.84       9.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.54      -0.54

=> s agr and aureus and promoter

           848 AGR
            64 AGRS
           869 AGR
                 (AGR OR AGRS)
         32629 AUREUS
         91905 PROMOTER
         32528 PROMOTERS
        104232 PROMOTER
                 (PROMOTER OR PROMOTERS)
L2          28 AGR AND AUREUS AND PROMOTER

=> s l2 and py<1996

      12855080 PY<1996
L3          13 L2 AND PY<1996

=> d 1-13


L3   ANSWER 1 OF 13  CAPLUS  COPYRIGHT 1999 ACS
AN   1995:825417  CAPLUS
DN   124:22817
TI   The agr P2 operon: an autocatalytic sensory transduction system
     in Staphylococcus aureus
AU   Novick, R. P.; Projan, S. J.; Kornblum, J.; Ross, H. F.; Ji, G.;
     Kreiswirth, B.; Vandenesch, F.; Moghazeh, S.
CS   Public Health Research Inst. City of New York, New York, NY, 10016, USA
SO   Mol. Gen. Genet. (1995), 248(4), 446-58
     CODEN: MGGEAE; ISSN: 0026-8925
DT   Journal
LA   English

L3   ANSWER 2 OF 13  CAPLUS  COPYRIGHT 1999 ACS
AN   1995:560680  CAPLUS
DN   123:162690
TI   In vitro transcription of pathogenesis-related genes by purified RNA
     polymerase from Staphylococcus aureus
```

AU Rao, Lin; Karls, [redacted]ssell K.; Betley, Marsha J.
CS Dep. Bacteriol., [redacted]v. Wisconsin-Madison, Madison, [redacted], 53706, USA
SO J. Bacteriol. (**1995**), 177(10), 2609-14
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L3 ANSWER 3 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1995:401101 CAPLUS
DN 122:283609
TI Characterization of a chromosomal locus (ETexp) which regulates the expression of exfoliative toxin genes in Staphylococcus **aureus**
AU Hata, Toshiaki
CS Dep. Obstet. Gynecol., Jikei Univ. Sch. Med., Tokyo, 105, Japan
SO Tokyo Jikeikai Ika Daigaku Zasshi (**1994**), 109(6), 1529-41
CODEN: TJIDAH; ISSN: 0375-9172
DT Journal
LA Japanese

L3 ANSWER 4 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1994:155256 CAPLUS
DN 120:155256
TI The gene encoding plantaricin A, a bacteriocin from Lactobacillus plantarum C11, is located on the same transcription unit as an **agr** -like regulatory system
AU Diep, Dzung Bao; Havarstein, Leiv Sigve; Nissen-Meyer, Jon; Nes, Ingolf F.
CS Lab. Microbial Gene Technol., Agric. Univ., Aas, N-1432, Norway
SO Appl. Environ. Microbiol. (**1994**), 60(1), 160-6
CODEN: AEMIDF; ISSN: 0099-2240
DT Journal
LA English

L3 ANSWER 5 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1994:70718 CAPLUS
DN 120:70718
TI Synthesis of staphylococcal virulence factors is controlled by a regulatory RNA molecule
AU Novick, Richard P.; Ross, Hope F.; Projan, Steven J.; Kornblum, John; Kreiswirth, Barry; Moghazeh, Soraya
CS Dep. Plasmid Biol., Public Health Res. Inst., New York, NY, 10016, USA
SO EMBO J. (**1993**), 12(10), 3967-75
CODEN: EMJODG; ISSN: 0261-4189
DT Journal
LA English

L3 ANSWER 6 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1992:484540 CAPLUS
DN 117:84540
TI Regulation of the protein A-encoding gene in Staphylococcus **aureus**
AU Patel, Arvind H.; Kornblum, John; Kreiswirth, Barry; Novick, Richard; Foster, Timothy J.
CS Microbiol. Dep., Trinity Coll., Dublin, Ire.
SO Gene (**1992**), 114(1), 25-34
CODEN: GENED6; ISSN: 0378-1119
DT Journal
LA English

L3 ANSWER 7 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1992:229534 CAPLUS
DN 116:229534
TI Osmotic and growth-phase dependent regulation of the eta gene of Staphylococcus **aureus**: a role for DNA supercoiling
AU Sheehan, Brian J.; Foster, Timothy J.; Dorman, Charles J.; Park, Simon; Stewart, Gordon S. A. B.

CS Moyne Inst., Trinity Coll., Dublin, Ire.
SO Mol. Gen. Genet. (1992), 232(1), 49-57
CODEN: MGGEAE; ISSN: 0026-8925
DT Journal
LA English

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1992:1440 CAPLUS
DN 116:1440
TI A temporal signal, independent of **agr**, is required for hla but not spa transcription in Staphylococcus **aureus**
AU Vandenesch, Francois; Kornblum, John; Novick, Richard P.
CS Dep. Plasmid Biol., Public Health Res. Inst., New York, NY, 10016, USA
SO J. Bacteriol. (**1991**), 173(20), 6313-20
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1991:222309 CAPLUS
DN 114:222309
TI **AGR** regulated alpha toxin **promoter** of Staphylococcus **aureus**
AU Sullivan, D.; Kehoe, M.
CS Med. Sch., Univ. Newcastle upon Tyne, Newcastle upon Tyne, NE2 4HH, UK
SO Zentralbl. Bakteriol., Suppl. (**1990**), 19(Bact. Protein Toxins), 349-50
CODEN: ZBASE2
DT Journal
LA English

L3 ANSWER 10 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1991:18362 CAPLUS
DN 114:18362
TI Cryptic .alpha.-toxin gene in toxic shock syndrome and septicemia strains of Staphylococcus **aureus**
AU O'Reilly, M.; Kreiswirth, B.; Foster, T. J.
CS Moyne Inst., Trinity Coll., Dublin, Ire.
SO Mol. Microbiol. (**1990**), 4(11), 1947-55
CODEN: MOMIEE; ISSN: 0950-382X
DT Journal
LA English

L3 ANSWER 11 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1990:435552 CAPLUS
DN 113:35552
TI The role of the .delta.-lysin gene (hld) in the regulation of virulence genes by the accessory gene regulator (**agr**) in Staphylococcus **aureus**
AU Janzon, Lars; Arvidson, Staffan
CS Dep. Bacteriol., Karolinska Inst., Stockholm, S-104 01, Swed.
SO EMBO J. (**1990**), 9(5), 1391-9
CODEN: EMJODG; ISSN: 0261-4189
DT Journal
LA English

L3 ANSWER 12 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1988:543470 CAPLUS
DN 109:143470
TI DNA sequence analysis of staphylococcal epidermolytic toxins
AU O'Toole, P. W.; Foster, T. J.
CS Moyne Inst., Trinity Coll., Dublin, Ire.
SO Zentralbl. Bakteriol., Mikrobiol. Hyg., Abt. 1, Suppl. (**1988**), 17(Bact. Protein Toxins), 245-6
CODEN: ZBMSDR; ISSN: 0172-5629

DT Journal
LA English

L3 ANSWER 13 OF 13 CAPLUS COPYRIGHT 1999 ACS
AN 1987:44802 CAPLUS
DN 106:44802
TI Molecular cloning and expression of the epidermolytic toxin A gene of Staphylococcus **aureus**
AU O'Toole, Paul W.; Foster, Timothy J.
CS Moyne Inst., Trinity Coll., Dublin, Ire.
SO Microb. Pathog. (**1986**), 1(6), 583-94
CODEN: MIPAEV; ISSN: 0882-4010
DT Journal
LA English

=> d 1,8,9 ab

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 1999 ACS
AB The synthesis of virulence factors and other exoproteins in Staphylococcus **aureus** is controlled by the global regulator, **agr**. Expression of secreted proteins is up-regulated in the postexponential growth phase, whereas expression of surface proteins is down-regulated by **agr**. The **agr** locus consists of two divergent operons, transcribed from neighboring but non-overlapping **promoters**, P2 and P3. The P2 operon sequence, reported here, contains 4 open reading frames, agrA, C, D, and B, of which A and C appear to encode proteins of a classical 2-component signal transduction pathway. The P3 operon specifies a 0.5-kb transcript, RNA III, which is the actual effector of the **agr** response, and, incidentally, encodes the **agr** -regulated peptide .delta.-hemolysin. Transcriptional fusions have shown that both P2 and P3 are **agr** sensitive (function in an **agr**+ but not in an **agr**- background) and deletion anal. has shown that all 4 of the P2 ORFs are involved; agrA and agrC seem to be absolutely required for the transcriptional activation of the **agr** locus, whereas agrB and agrD seem to be partially required. Since transcription of P2 requires P2 operon products, the P2 operon is autocatalytic, and is thus admirably suited to the need for rapid prodn. of exoproteins at a time when overall growth is coming to a halt.

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 1999 ACS
AB S. **aureus** exoprotein expression is controlled by a global regulon known as **agr**. This system activates transcription of some target genes and represses transcription of others. Target genes expressed postexponentially such as .alpha.-hemolysin (hla) are activated by **agr**; target genes expressed during exponential phase such as protein A (spa) are repressed by **agr**. A unique feature of the **agr** system is that this transcriptional regulation is mediated by a 517-nucleotide transcript, RNAIII. While it is clear that **agr** differentially regulates the expression of exponential and postexponential exoproteins, the precise role of **agr** in the temporal control of these events has not yet been explored. In this report, the effects are examd. of expressing RNAIII, the **agr** regulator, under the control of the inducible .beta.-lactamase (bla) **promoter** at different times in the growth cycle. Previous results are confirmed showing that **agr** is required for postexponential-phase expression of hla and that a sep. postexponential-phase signal independent of **agr** function is also needed for activation of hla transcription. In an **agr** mutant, transcription of spa occurs

throughout the growth cycle, is inhibited immediately upon induction of RNAIII, and is t[redacted] indifferent to the postexpone[redacted]al signal required fro
hla activation.

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 1999 ACS
AB In S. **aureus**, a system termed the Accessory Gene Regulator (**AGR**), acts in trans to coordinately control transcription of a variety of unlinked virulence genes. Although the mechanism is not understood, it is known that at the end of exponential phase in batch cultures **AGR** represses expression of certain secreted proteins (e.g. Protein A) and acts as a pos. regulator to turn on expression of others (e.g. alpha-toxin). Preliminary studies aimed at identifying the target for **AGR** regulation on an alpha-toxin gene (hla), cloned in the Escherichia coli-S. **aureus** shuttle plasmid pDU1212, are summarized.

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	31.92	32.07

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.14	-2.14

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 19:55:23 ON 19 SEP 1999